

Tennis Court Fencing

All standard tennis court fencing must be constructed in accordance with the Australian Standard document AS 1725.2-2010 without exception.

This should be confirmed on any quotation for fencing works required at a tennis court facility. That way the contractor commits to constructing a reliable, robust and fit for purpose fence. There are several fence design options within the standard, however 2MH Consulting strongly recommends that fences be constructed with both top and bottom rails, medium duty rails and posts, and heavy duty chainwire mesh. To deliver the best look, the mesh should be PVC coated (black) and the posts and rails powder coated (black).

Gates

An adequate number of player access and egress gates should be incorporated into the fence and the location for these gates should be confirmed prior to requesting quotes for the works. A double gate should also be included to allow maintenance equipment access and also for emergency vehicle access.

Strengthened Fencing

If a club wishes to install signage and/or windbreak material to the fences, the fence will need to be strengthened to cope with the additional forces created by the wind.



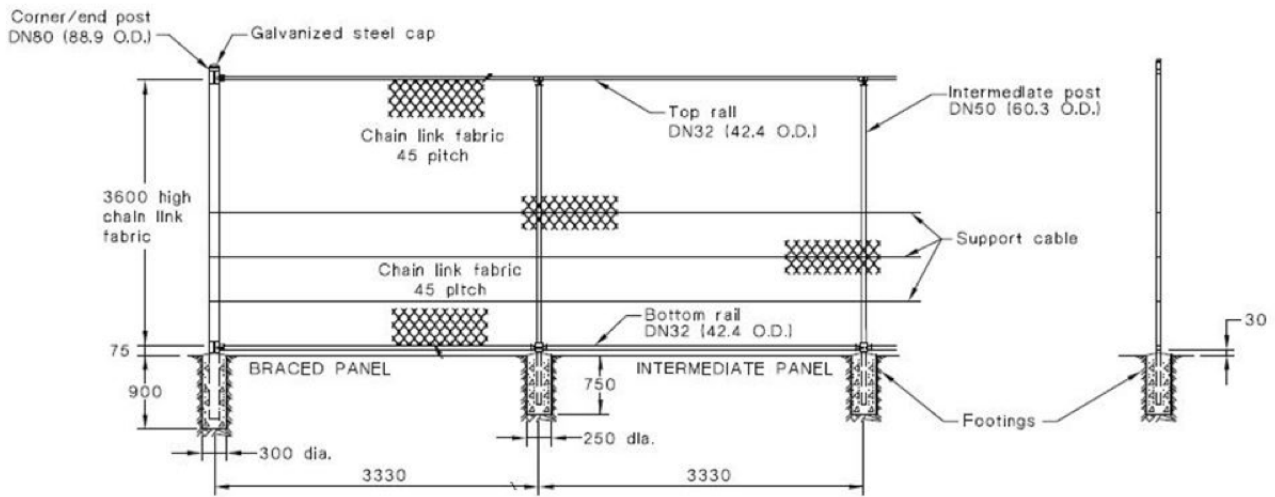
Example of existing fencing retro fitted with backstays to strengthen

Existing fencing can have additional bracing or back stays fitted and should be designed by a structural engineer to determine the best support & footing design required for the sites wind rating, soil type and ground conditions.



Example of structurally engineered strengthened fencing

The new fence shown above has been designed specifically to withstand the additional wind forces imposed on the fence fitted with windbreak material. In order to achieve this, the posts are spaced closer, have a larger diameter, and have larger foundations, than a standard tennis court fence.



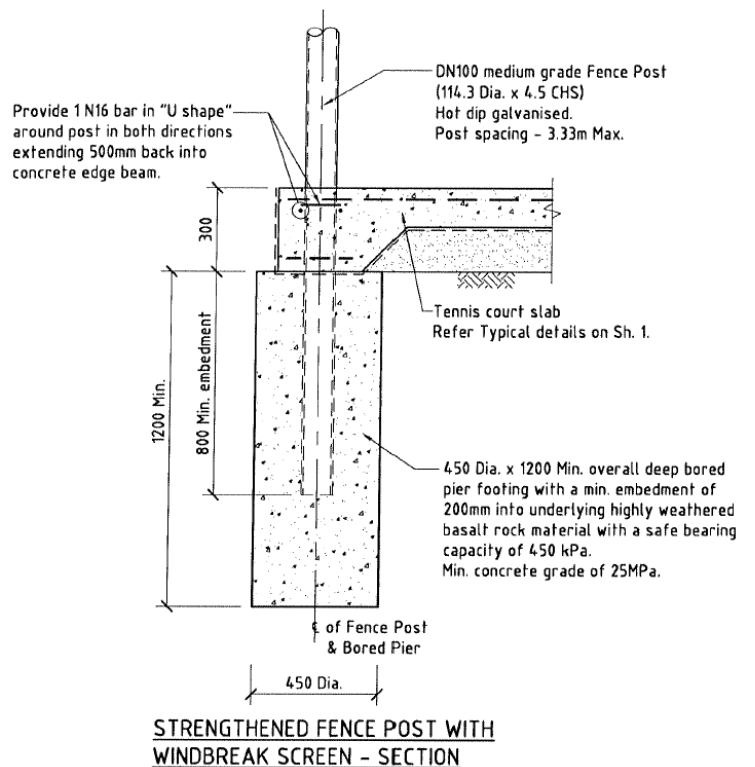
Above: Typical conventional fencepost concrete footing (taken from AS 1725.2-2010).



Example of a collapsed fence fitted with windbreak material caused by inadequate design.



Example of installation of windbreak material on a non-strengthened fence that has resulted in structural failure.



Above: Example of a strengthened fence post footing 1200mm deep x 450mm diameter.